

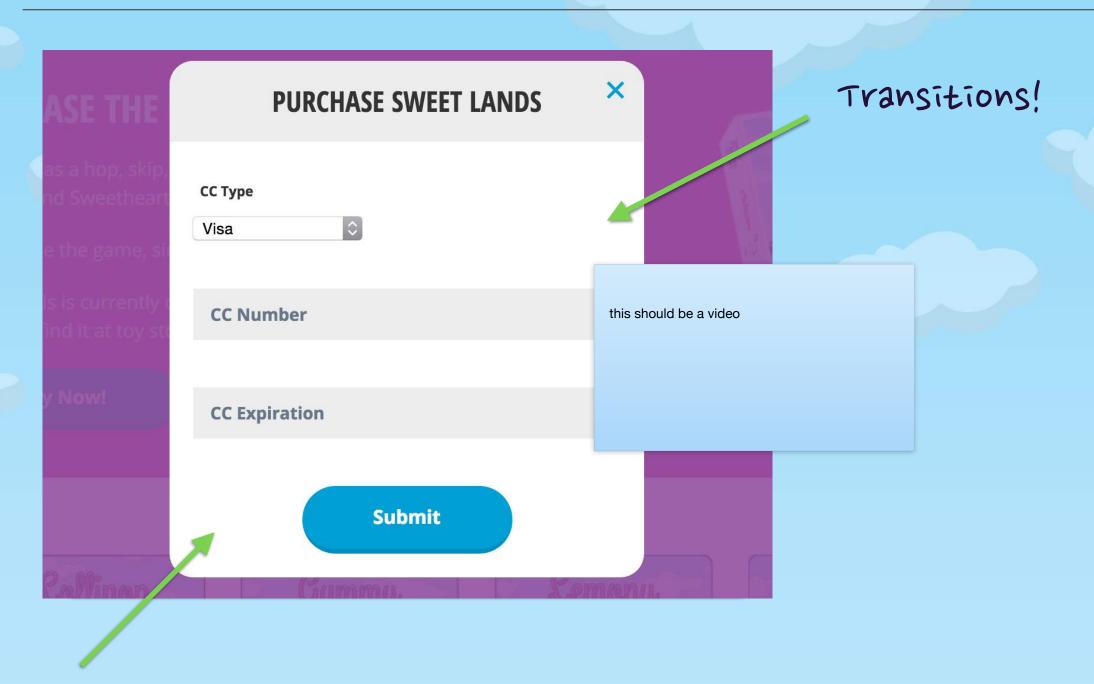
Level 3 – Keyframes

SECTION 1

Creating and Reusing Keyframes



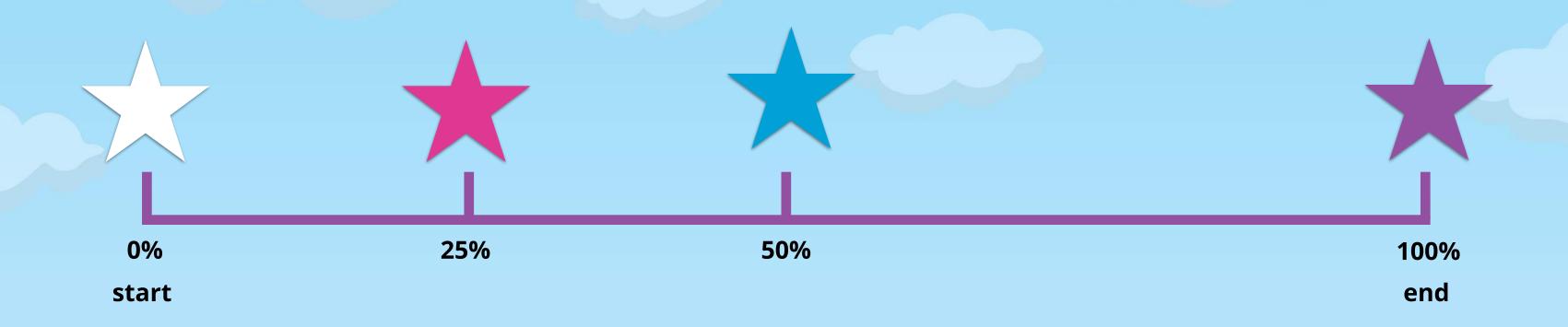
Our Site So Far



Transforms!

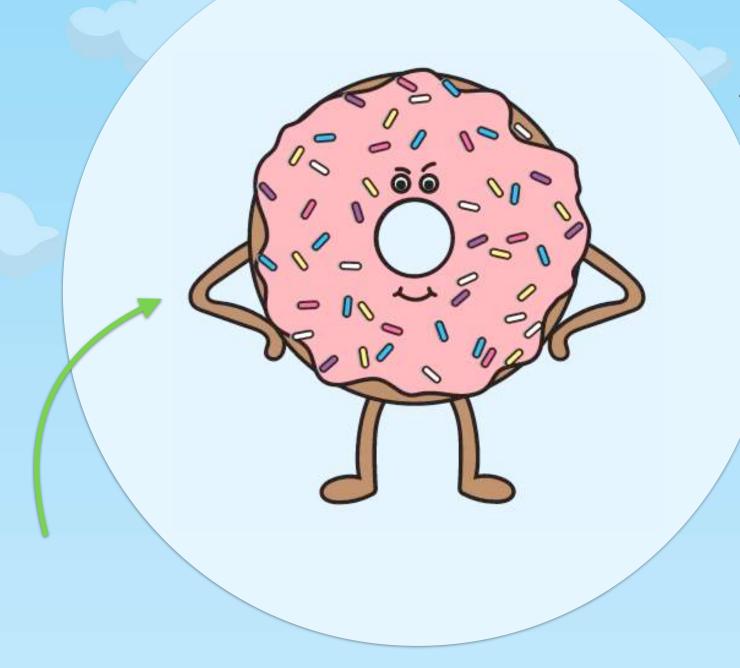
Keyframe Animations

A list of what should happen over the course of the animation — which properties should change, how, and when.



Using @keyframes to Animate Characters

Animating PNGs on your site can add a lot of personality and fun!



Let's start animating Beau Knut by moving just his arm inside a reusable keyframe.

Creating the Swing Keyframe Animation

There are 2 parts to keyframe animations:

- 1. Create the Animation
- 2. Assign the Animation

```
This custom name could be 'beau-knut-arm-swing'
```

```
@keyframes swing {
     0% {transform: rotate(0deg);}
     100% {transform: rotate(-10deg);}
}
```

from is a shortcut for writing 0%to is a shortcut for writing 100%

Declare the animation

keyframe recipe

Define steps of the animation

Assign the Animation to an Element

iteration

how many times to run

timing function

There are 2 parts to keyframe animations:

1. Create the Animation

2. Assign the Animation

```
@keyframes swing {
    0% {transform: rotate(0deg);}
    100% {transform: rotate(-10deg);}
}
```

Duration must come before delay!

#left-arm {

animation: swing 2s 0s infinite ease;
}

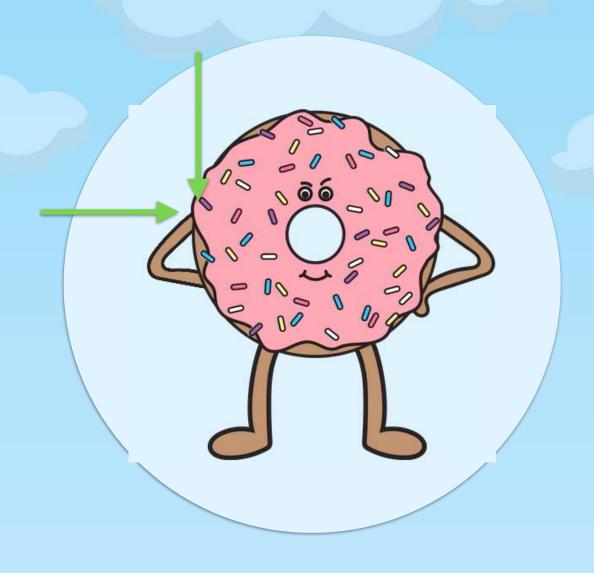
name



Fixing the Arm By Adjusting the Origin

Specify a different transform origin so our arm rotates properly from the top and not around the elbow.

```
css
@keyframes swing {
    0% {transform: rotate(0deg);}
    100% {transform: rotate(-10deg);}
}
#left-arm {
    transform-origin: top center;
    animation: swing 2s infinite;
}
```



Reuse the Swing Animation Keyframe

Now let's animate the right arm by reusing our swing animation.

```
CSS
@keyframes swing {
  0% {transform: rotate(0deg);}
  100% {transform: rotate(-10deg);}
#left-arm {
  transform-origin: top center;
  animation: swing 2s infinite;
#right-arm {
  transform-origin: top center;
  animation: swing 2s infinite;
```

